

## **FACILITY PERMIT TO OPERATE ADVANCE PAPER BOX CO**

### **Facility Equipment and Requirements (Section D)**

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Construct and Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements that the equipment is subject to. Also included is the rule origin and authority of each emission limit and permit condition.

## **FACILITY PERMIT TO OPERATE ADVANCE PAPER BOX CO**

### **PERMITTED EQUIPMENT LIST**

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AND PERMITS TO OPERATE AT THIS FACILITY:

<b>Application number</b>	<b>Permit to Operate number</b>	<b>Equipment description</b>
525593	G15637	LITHOGRAPHIC PRINTING PRESS, IR/UV DRY
525594	G15638	LITHOGRAPHIC PRINTING PRESS, IR/UV DRY

**NOTE:** EQUIPMENT LISTED ABOVE THAT HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBER ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.

## **FACILITY PERMIT TO OPERATE ADVANCE PAPER BOX CO**

### **FACILITY WIDE CONDITION(S)**

**Condition(s):**

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
  - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGELMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
  - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.  
[RULE 401]
2. MATERIAL SAFETY DATA SHEETS FOR ALL MATERIALS USED AT THIS FACILITY AND SUBJECT TO DISTRICT RULES SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
3. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUNDS (VOC) EMITTED TO THE ATMOSPHERE FROM THIS FACILITY SHALL NOT EXCEED 76 POUNDS IN ANY ONE DAY.  
[RULE 1303(b)(2)-OFFSET]
4. THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS FACILITY TO VERIFY THE VOC EMISSIONS IN POUNDS PER DAY.  
[RULE 109, 1303(b)(2)-OFFSET]
5. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, RETAINED AT THE FACILITY FOR AT LEAST FIVE YEARS, AND MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

## **FACILITY PERMIT TO OPERATE ADVANCE PAPER BOX CO**

### **PERMIT TO OPERATE**

**Permit No. G15637  
A/N 525593**

#### **Equipment Description:**

LITHOGRAPHIC PRINTING SYSTEM NO. 5 CONSISTING OF:

1. PRINTING PRESS, KBA PLANETA, MODEL # RAPIDA 142-7, SERIAL NO. 361283, SEVEN COLORS, PLUS TWO COATERS, 56-INCH WIDE SHEET-FED, AND 100 H. P. TOTAL DRIVE.
2. INFRARED INTERDECK DRYER, TOTAL 4.2 KW.
3. UV INTERDECK DRYER, TWO MODULES, TOTAL 46.4 KW.
4. IR/TL DRYER, TOTAL 52.8 KW.
5. IR/THERMO-AIR DRYER, TOTAL 108.9 KW.
6. FINAL UV DRYER, TOTAL 69.6 KW.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE TOTAL QUANTITY OF VOC EMISSIONS DISCHARGED TO THE ATMOSPHERE FROM THIS EQUIPMENT SHALL NOT EXCEED 900 POUNDS IN ANY ONE CALENDAR MONTH.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]

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4. THE MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH AN EFFECTIVE DATE OF SEPTEMBER 10, 2010, OR EARLIER WITH THE EXCEPTION OF ACRYLIC ACID (CAS # 79-10-7), AMMONIA (CAS # 7664-41-7), COBALT (CAS # 7440-48-4), COPPER & COPPER COMPOUNDS (CAS # 7440-50-8), ETHYLENE GLYCOL MONOBUTYL ETHER (CAS # 111-76-2), ETHYLENE GLYCOL (CAS # 107-21-1), FORMALDEHYDE (CAS # 50-00-0), HYDROCHLORIC ACID (CAS# 7647-01-0), ISOPROPYL ALCOHOL (CAS # 67-63-0), MANGANESE & MANGANESE COMPOUNDS (CAS # 7439-96-5), NAPHTHALENE (CAS # 91-20-3), PHOSPHORIC ACID (CAS # 7664-38-2), SODIUM HYDROXIDE (CAS # 1310-73-2), STYRENE (CAS # 100-42-5), TOLUENE (CAS # 108-88-3), XYLENE (CAS # 1330-20-7), XYLENE (O) (CAS # 95-47-6) XYLENE (M) (CAS # 108-38-3) AND ZINC COMPOUNDS (CAS # 7440-66-6).  
[RULE 1401]
5. THE VOC CONTENT OF THE FOUNTAIN SOLUTION USED IN THIS EQUIPMENT SHALL NOT EXCEED 0.30 POUND PER GALLON OF MATERIAL, AS APPLIED, INCLUDING WATER AND EXEMPT SOLVENTS.  
[RULE 1303(a)(1)-BACT]
6. THE VOC COMPOSITE PARTIAL PRESSURE OF THE BLANKET AND ROLLER WASHES USED IN THIS EQUIPMENT SHALL NOT EXCEED 5 mmHg @ 20 DEGREES CENTIGRADE.  
[RULE 1303(a)(1)-BACT]
7. THE EMISSIONS OF CARCINOGENIC TOXIC AIR CONTAMINANTS FROM THIS EQUIPMENT SHALL NOT EXCEED THE FOLLOWING IN ANY ONE CALENDAR YEAR.
- |              |          |
|--------------|----------|
| FORMALDEHYDE | 3 POUNDS |
| NAPHTHALENE  | 1 POUND  |
- [RULE 1401]
8. THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY THE FOLLOWING:
- A. DENSITY OF EACH INK IN POUNDS PER GALLONS.
  - B. PERCENTAGE BY WEIGHT OF LITHOGRAPHIC OILS IN EACH INK.
  - C. INK ABSORPTION FACTOR AS SPECIFIED BY CURRENT DISTRICT GUIDELINES.
  - D. VOC CONTENT, FORMALDEHYDE AND NAPHTHALENE CONTENT OF FOUNTAIN SOLUTIONS, WASH MATERIALS, AND OTHER MATERIALS USED IN POUNDS PER GALLON AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).
  - E. VOC EMISSIONS IN LBS/DAY FROM THIS EQUIPMENT.
  - F. FORMALDEHYDE AND NAPHTHALENE EMISSIONS IN POUNDS PER DAY.
  - G. OTHER DATA AS REQUIRED TO VERIFY THE COMPLIANCE WITH CONDITIONS SPECIFIED IN THIS PERMIT.
- [RULE 109, 1303(b)(2)-OFFSET]

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9. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC, FORMALDEHYDE AND NAPHTHALENE EMISSIONS FOR THE MONTH FROM THE EQUIPMENT. THE RECORD SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING INDIVIDUAL RESPONSIBLE FOR COMPLIANCE WITH DISTRICT RULES.  
[RULE 109, 1303(b)(2)-OFFSET]
10. THE OPERATOR SHALL MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC-CONTAINING MATERIALS REGULATED BY THE DISTRICT THAT WERE USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.  
[RULE 109, 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL RETAIN ALL PURCHASE INVOICES FOR ALL VOC-CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC-CONTAINING MATERIAL REMOVED FROM THE FACILITY.  
[RULE 109, 1303(b)(2)-OFFSET]

### **Emissions and Requirements:**

12. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 109  
VOC: RULE 1130, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE ADVANCE PAPER BOX CO**

### **PERMIT TO OPERATE**

**Permit No. G15638  
A/N 525594**

#### **Equipment Description:**

LITHOGRAPHIC PRINTING SYSTEM CONSISTING OF:

- 1) PRINTING PRESS, MITSUBISHI, MODEL # D3000LX-8, 23' – 0" W. X 71' – 8" L. X 10' – 6" H., EIGHT COLOR, AQUEOUS COATER, 40-INCH WIDE SHEET FED, WITH A CHILLED FOUNTAIN.
- 2) OVEN, AIR MOTION SYSTEMS, INFRA-RED, WITH NINE LAMPS, 36 KW TOTAL, AN AIR CIRCULATION FAN AND AN EXHAUST BLOWER.
- 3) HOT AIR MODULES, TWENTY-SIX LAMPS, 36.4 KW TOTAL.
- 4) UV CURING, AIR MOTION SYSTEMS, WITH EIGHT 16 KW LAMPS AND AN EXHAUST BLOWER.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE VOC CONTENT OF THE FOUNTAIN SOLUTION USED IN THIS EQUIPMENT SHALL NOT EXCEED 0.30 POUND PER GALLON OF MATERIAL, AS APPLIED, INCLUDING WATER AND EXEMPT COMPOUNDS.  
[RULE 1303(a)(1)-BACT]
4. THE MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH AN EFFECTIVE DATE OF SEPTEMBER 10, 2010, OR EARLIER WITH THE EXCEPTION OF ACRYLIC ACID (CAS # 79-10-7), AMMONIA (CAS # 7664-41-7), COBALT (CAS # 7440-48-4), COPPER & COPPER COMPOUNDS (CAS # 7440-50-8), ETHYLENE GLYCOL MONOBUTYL ETHER (CAS # 111-76-2), ETHYLENE GLYCOL (CAS # 107-21-1), FORMALDEHYDE (CAS # 50-00-0), HYDROCHLORIC ACID (CAS# 7647-01-0), ISOPROPYL ALCOHOL (CAS # 67-63-0), MANGANESE & MANGANESE COMPOUNDS (CAS # 7439-96-5), NAPHTHALENE (CAS # 91-20-3), PHOSPHORIC ACID (CAS # 7664-38-2), SODIUM HYDROXIDE (CAS # 1310-73-2), STYRENE (CAS # 100-42-5), TOLUENE (CAS # 108-88-3), XYLENE (CAS # 1330-20-7), XYLENE (O) (CAS # 95-47-6) XYLENE (M) (CAS # 108-38-3) AND ZINC COMPOUNDS (CAS # 7440-66-6).  
[RULE 1401]

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5. THE TOTAL QUANTITY OF VOC EMISSIONS DISCHARGED TO THE ATMOSPHERE FROM THIS EQUIPMENT SHALL NOT EXCEED 900 POUNDS IN ANY ONE CALENDAR MONTH.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
6. THE EMISSIONS OF CARCINOGENIC TOXIC AIR CONTAMINANTS FROM THIS EQUIPMENT SHALL NOT EXCEED THE FOLLOWING IN ANY ONE CALENDAR YEAR.  
  
FORMALDEHYDE            3 POUNDS  
NAPHTHALENE            1 POUND  
[RULE 1401]
7. THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY THE FOLLOWING:
  - A. DENSITY OF EACH INK IN POUNDS PER GALLONS.
  - B. PERCENTAGE BY WEIGHT OF LITHOGRAPHIC OILS IN EACH INK.
  - C. INK ABSORPTION FACTOR AS SPECIFIED BY CURRENT DISTRICT GUIDELINES.
  - D. VOC CONTENT, FORMALDEHYDE AND NAPHTHALENE CONTENT OF FOUNTAIN SOLUTIONS, WASH MATERIALS, AND OTHER MATERIALS USED IN POUNDS PER GALLON AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).
  - E. VOC EMISSIONS IN LBS/DAY FROM THIS EQUIPMENT.
  - F. FORMALDEHYDE AND NAPHTHALENE EMISSIONS IN POUNDS PER DAY.
  - G. OTHER DATA AS REQUIRED TO VERIFY THE COMPLIANCE WITH CONDITIONS SPECIFIED IN THIS PERMIT.  
[RULE 109, 1303(b)(2)-OFFSET]
8. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC, FORMALDEHYDE AND NAPHTHALENE EMISSIONS FOR THE MONTH FROM THE EQUIPMENT. THE RECORD SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING INDIVIDUAL RESPONSIBLE FOR COMPLIANCE WITH DISTRICT RULES.  
[RULE 109, 1303(b)(2)-OFFSET]
9. THE OPERATOR SHALL MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC-CONTAINING MATERIALS REGULATED BY THE DISTRICT THAT WERE USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.  
[RULE 109, 1303(b)(2)-OFFSET]
10. THE OPERATOR SHALL RETAIN ALL PURCHASE INVOICES FOR ALL VOC-CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC-CONTAINING MATERIAL REMOVED FROM THE FACILITY.  
[RULE 109, 1303(b)(2)-OFFSET]



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### **Emissions and Requirements:**

11. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 109

VOC: RULE 1130, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE ADVANCE PAPER BOX CO**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

#### **Periodic Monitoring:**

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

[RULE 3004 (a) (4)]

#### **Emissions And Requirements:**

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE ADVANCE PAPER BOX CO**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS

#### **Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

REFRIGERANT:	RULE 1415
REFRIGERANT:	40CFR 82 SUBART F

## **FACILITY PERMIT TO OPERATE ADVANCE PAPER BOX CO**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, PRINTING EQUIPMENT, LOW USE OR EMISSIONS, WITH RELATED COATING, LAMINATING AND DRYING EQUIPMENT.

#### **Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1130, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE ADVANCE PAPER BOX CO**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, GLUING MACHINES, LOW USE OR EMISSIONS

#### **Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1168, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE ADVANCE PAPER BOX CO**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

#### **Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS